

## Science Vision Map

### Year 6 – Animals including humans

#### **Crucial Knowledge**

- The human circulatory system is: the heart, the blood and the blood vessels.
- The heart is a strong muscle. It keeps all the blood in the body flowing.
- Blood takes important materials (such as oxygen) around the body. Blood protects against diseases. Most animals need blood to live.
- Blood vessels are tubes inside your body. Blood travels through the blood vessels to everywhere in the body.
- Arteries are a blood vessel. Arteries carry blood away from the heart to other parts of the body.
- Veins are a blood vessel. Veins take blood back to the heart.
- Nutrients (tiny parts of food) and water are carried around the body within the blood.
- It is important to have the right amount of nutrients, exercise and lifestyle to keep a healthy body.
- Drugs (including tobacco and alcohol) can damage the body.

#### **Intent**

- Recap: Animals including humans (Year 5)
- Identify and name the main parts of the human circulatory system
- Describe the main functions of:
  - heart
  - blood vessels
  - blood
- Describe the ways nutrients and water are transported within animals, including humans
- Recognise the impact of:
  - diet
  - exercise
  - drugs
  - lifestyle

